

Title (en)

Process for producing high molecular weight thermoplastic resin composition and its use

Title (de)

Verfahren zur Darstellung einer hochmolekularen Thermoplastzusammensetzung und deren Verwendung

Title (fr)

Procédé de préparation d'une composition de résine thermoplastique à poids moléculaire élevé et leur utilisation

Publication

EP 1061093 A2 20001220 (EN)

Application

EP 00112699 A 20000615

Priority

JP 16994699 A 19990616

Abstract (en)

The present invention provides: a process for producing a high molecular weight thermoplastic resin composition, which can give the high molecular weight thermoplastic resin composition with good reproducibility and stably; and uses of the resultant resin composition. The process for producing a high molecular weight thermoplastic resin composition comprises the step of mixing a thermoplastic resin with pyromellitic dianhydride to carry out a reaction therebetween to convert the thermoplastic resin into a high molecular weight one, and this process is characterized in that the pyromellitic dianhydride has at least one of the following properties in particle form: (1) intrinsically linear or needle-like particle forms; (2) a bulk density of 0.4 SIMILAR 0.9 g/ml; and (3) a rest angle of 50 SIMILAR 70 degrees.

IPC 1-7

C08G 63/91; **C08G 64/42**; **C08G 85/00**; **C08K 5/1539**

IPC 8 full level

B29C 48/04 (2019.01); **C08G 63/91** (2006.01); **C08G 85/00** (2006.01)

CPC (source: EP US)

B29C 48/04 (2019.01 - EP US); **C08G 63/916** (2013.01 - EP US); **C08G 85/004** (2013.01 - EP US); **B29C 48/022** (2019.01 - EP US)

Cited by

US10370503B2; WO2014108518A1

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

EP 1061093 A2 20001220; **EP 1061093 A3 20010912**; **EP 1061093 B1 20050209**; CN 1147523 C 20040428; CN 1278535 A 20010103; DE 60017979 D1 20050317; DE 60017979 T2 20051229; US 6441104 B1 20020827

DOCDB simple family (application)

EP 00112699 A 20000615; CN 00118837 A 20000616; DE 60017979 T 20000615; US 59368900 A 20000614